

WHAT IS CLAIMED IS:

- Sub A₁
- 1 1. A method for reducing user input required to access a plurality of services
 2 provided over a wireless connection to a device, comprising:
 3 storing, external to said device, data records containing a plurality of data items
 4 associated with a particular type of information;
 5 receiving a first message from said device requesting a first service of said
 6 plurality of services, wherein said first service requires said particular type
 7 of information for input;
 8 reading said data records and transmitting data to said device to cause said device
 9 to present a user interface allowing a particular data item of said plurality
 10 of data items to be selected;
 11 receiving a second message indicating a selection from said device of said
 12 particular data item; and
 13 sending said particular data item to said first service of said plurality of services.
 - 1 2. The method of claim 1, wherein said step of storing said data records comprises:
 2 receiving content provided by said plurality of services;
 3 identifying, within said content, data items associated with said particular type of
 4 information; and
 5 storing data records containing said data items.
 - 1 3. The method of claim 2 wherein:
 2 the step of receiving content includes receiving content requested in messages
 3 from said device;
 4 said messages contain a particular identifier; and

5 the step of storing data records includes storing data records are associated with
6 said particular identifier.

1 4. The method of claim 2 wherein the step of storing data records containing said
2 data items is performed transparent to a user of said device.

1 5. The method of claim 2 further comprising the step of deleting existing data
2 records in response to storing said data records when an amount associated with
3 said data records reaches a predetermined threshold.

1 6. The method of claim 5 further comprising the step selecting which existing data
2 records to delete based on a sequence associated with said existing data records.

1 7. The method of claim 6 wherein said sequence reflects when data items within said
2 existing data records were most recently selected.

1 8. The method of claim 6 wherein said sequence reflects when said existing data
2 records were generated.

1 9. The method of claim 2 wherein:
2 the content includes tags; and
3 the step of identifying, within said content, data items associated with said
4 particular type of information is performed based on said tags.
5

1 10. The method of claim 1, wherein the step of transmitting data to said device to
2 cause said device to present a user interfaces includes transmitting data to said
3 device to cause said device to present a user interface that displays a first subset of
4 said plurality of data items.

1 11. The method of claim 10, further comprising the step of transmitting data to said
2 device to cause said device to present an option for causing said list to be updated
3 to display a second subset of said plurality of data items.

1 12. The method of claim 1, wherein said particular data item identifies a particular
2 address.

1 13. The method of claim 1, wherein
2 said data records are stored in a database with data that associates the data records
3 with an identifier,
4 the method includes the steps of
5 extracting the identifier from said first message; and
6 locating said data records based on said identifier.

1 15. The method of claim 1, wherein said step of storing said data records comprises:
2 receiving data items associated with said particular type of information from said
3 device;
4 storing said plurality of data items received from said device.

- 1 16. The method of claim 1 further comprising the step of deleting existing data
2 records in response to storing said data records when an amount associated with
3 said data records reaches a predetermined threshold.
- 1 17. The method of claim 16 further comprising the step selecting which existing data
2 records to delete based on a sequence associated with said existing data records.
- 1 18. The method of claim 17 wherein said sequence reflects when data items within
2 said existing data records were most recently selected.
- 1 19. The method of claim 17 wherein said sequence reflects when said existing data
2 records were generated.
- Sub A2 1 20. The method of claim 1, wherein
2 the step of storing is performed by a server; and
3 said step of storing said data records comprises
4 receiving data items associated with said particular type of information
5 from a second device that is connected to said server with a
6 connection that is not wireless; and
7 storing said plurality of data items with an identifier associated with said
8 device.
- 1 21. A computer-readable medium carrying instructions for reducing user input
2 required to access a plurality of services provided over a wireless connection to a
3 device, the instructions comprising instructions for performing the steps of:

4 storing, external to said device, data records containing a plurality of data items
 5 associated with a particular type of information;
 6 receiving a first message from said device requesting a first service of said
 7 plurality of services, wherein said first service requires said particular type
 8 of information for input;
 9 reading said data records and transmitting data to said device to cause said device
 10 to present a user interface allowing a particular data item of said plurality
 11 of data items to be selected;
 12 receiving a second message indicating a selection from said device of said
 13 particular data item; and
 14 sending said particular data item to said first service of said plurality of services.

1 22. The computer-readable medium of claim 21, wherein said step of storing said data
 2 records comprises:
 3 receiving content provided by said plurality of services;
 4 identifying, within said content, data items associated with said particular type of
 5 information; and
 6 storing data records containing said data items.

1 23. The computer-readable medium of claim 22 wherein:
 2 the step of receiving content includes receiving content requested in messages
 3 from said device;
 4 said messages contain a particular identifier; and
 5 the step of storing data records includes storing data records are associated with
 6 said particular identifier.

- 1 24. The computer-readable medium of claim 22 wherein the step of storing data
2 records containing said data items is performed transparent to a user of said
3 device.
- 1 25. The computer-readable medium of claim 22 further comprising instructions for
2 performing the step of deleting existing data records in response to storing said
3 data records when an amount associated with said data records reaches a
4 predetermined threshold.
- 1 26. The computer-readable medium of claim 25 further comprising instructions for
2 performing the step of selecting which existing data records to delete based on a
3 sequence associated with said existing data records.
- 1 27. The computer-readable medium of claim 26 wherein said sequence reflects when
2 data items within said existing data records were most recently selected.
- 1 28. The computer-readable medium of claim 26 wherein said sequence reflects when
2 said existing data records were generated.
- 1 29. The computer-readable medium of claim 22 wherein:
2 the content includes tags; and
3 the step of identifying, within said content, data items associated with said
4 particular type of information is performed based on said tags.
5

1 30. The computer-readable medium of claim 21, wherein the step of transmitting data
2 to said device to cause said device to present a user interfaces includes
3 transmitting data to said device to cause said device to present a user interface that
4 displays a first subset of said plurality of data items.

1 31. The computer-readable medium of claim 30, further comprising instructions for
2 performing the step of transmitting data to said device to cause said device to
3 present an option for causing said list to be updated to display a second subset of
4 said plurality of data items.

1 32. The computer-readable medium of claim 21, wherein said particular data item
2 identifies a particular address.

1 33. The computer-readable medium of claim 21, wherein
2 said data records are stored in a database with data that associates the data records
3 with an identifier,
4 the computer-readable medium includes instructions for performing the steps of
5 extracting the identifier from said first message; and
6 locating said data records based on said identifier.

1 35. The computer-readable medium of claim 21, wherein said step of storing said data
2 records comprises:
3 receiving data items associated with said particular type of information from said
4 device;
5 storing said plurality of data items received from said device.

1 36. The computer-readable medium of claim 21 further comprising instructions for
2 performing the step of deleting existing data records in response to storing said
3 data records when an amount associated with said data records reaches a
4 predetermined threshold.

1 37. The computer-readable medium of claim 36 further comprising instructions for
2 performing the step selecting which existing data records to delete based on a
3 sequence associated with said existing data records.

1 38. The computer-readable medium of claim 37 wherein said sequence reflects when
2 data items within said existing data records were most recently selected.

1 39. The computer-readable medium of claim 37 wherein said sequence reflects when
2 said existing data records were generated.

1 40. The computer-readable medium of claim 21, wherein
2 the step of storing is performed by a server; and
3 said step of storing said data records comprises
4 receiving data items associated with said particular type of information
5 from a second device that is connected to said server with a
6 connection that is not wireless; and
7 storing said plurality of data items with an identifier associated with said
8 device.